Bay Delta Conservation Plan Fish Facilities Technical Team 2011
Draft Charge to the FFTT
1/18/11

The BDCP Fish Facilities Technical Team was first convened in spring of 2008 to address questions about what types and sizes of fish screening facilities would be appropriate for the BDCP conveyance proposals. The tech team met through that summer and issued their findings in the fall of 2008.

Since the tech team last met, the Department of Water Resources has refined potential fish facilities by applying several other evaluation efforts. This evaluation has caused the rejection of the FFTT previous recommendations.

The five agencies would like the FFTT to re-convene with additional biological and performance measures expertise to assist in advising on design, location, and phased implementation of diversions.

Specific tasks should include:

- Examine new information developed since the last FFTT meetings including the Separate Analysis presented to the Steering Committee by Armin Munever and any construction cost estimations for the separate configurations in the Separate Analysis. Based on this information, make recommendations regarding locations, individual size, and configuration of intakes for the benefit of listed and unlisted fish or for water quality. In considering any option for intakes the tech team will consider changes in flood potential (both local and regional), preliminary costs, and constructability for a total 15,000 cfs diversion capacity.

- Develop performance criteria and study programs to evaluate the performance and effectiveness of diversion structures, both individually and collectively. These should include both physical criteria (e.g. NMFS/DFG criteria for approach and sweeping velocities), and biological criteria (e.g. % survival of out-migrating smolts through the entire reach with screens).

- Highlight near-term research/monitoring needs, if any, to reduce key uncertainties prior to construction. Also provide advice on research and monitoring tasks and timeframes to ensure an individual screen, or a first set of two screens, is meeting performance measures prior to constructing a second screen or set of screens